BRUHATH BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE
Office of the Executive Engineer Dasarahalli Division

Schedule - B

BBMP/2020-21/OW/WORK INDENT43856

NAME OF WORK: Providing Sinking of Borewell drilling and pumps in Dasarahalli ward no 15.

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor Smt C S Girija	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps. MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers s method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.	Each	3	3918.72	Rupees Three Thousand Nine Hundred Eighteen and Seventy Two Paise Only
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified, complete as per specifications and as per the direction of Engineer-in charge of the work.0.00 to 50.00 mtrs	Rmtr	150	360.88	Rupees Three Hundred Sixty and Eighty Eight Paise Only

G.S. Girija
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3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.50mtr to 100.00 mtr	Rmtr	150	459.68	Rupees Four Hundred Fifty Nine and Sixty Eight Paise Only
4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.100.00 to 150.00 mtr	Rmtr	150	474.24	Rupees Four Hundred Seventy Four and Twenty Four Paise Only
5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.150.00 to 200.00 mtr	Rmtr	150	557.44	Rupees Five Hundred Fifty Seven and Forty Four Paise Only
6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.200.00 to 250.00 mtr	Rmtr	150	659.36	Rupees Six Hundred Fifty Nine and Thirty Six Paise Only

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Dasarahalli Division, Bangalore-73.

7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.250.00 to 300.00 mtr	Rmtr	150	728.00	Rupees Seven Hundred Twenty Eight Only
8	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work.300.00 to 350.00 mtr	Rmtr	150	858.00	Rupees Eight Hundred Fifty Eight Only
9	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified. complete as per specifications and as per the direction of Engineer-in-charge of the work350.00 to 400.00 Mtr	Rmtr	150	936.00	Rupees Nine Hundred Thirty Six Only
10	Providing and Fixing 250mm dia PVC pipeetc., complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	75	1189.76	Rupees One Thousand One Hundred Eighty Nine and Seventy Six Paise Only

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	Supply of 80 Mark Steel Numerical type pile [illegible] casing pipe of 5" nominal bore & 7.62 mm wall thickness & 6 mm thick cap forming to IS 1239 (Part I) 1993 and manufactured from hot rolled mild steel electric or basic oxygen process or seamless process conforming to IS 554 - 1985 complete and fixed with a socket at one end and the other end to be screwed type & capped at the bottom reasonably free from defects. The tube shall be reasonably straight should be with IS marking weighing 24.20kg/m complete as per specifications and as per the direction of Engineer in charge of the work complete as per specifications and as per the direction of Engineer in charge of the work.	Mtrs	550	1178.00	Rupees One Thousand Three Hundred Seventy Eight Only
12	Providing and fixing MS casing collars as per IS 1239 (part II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and collars shall be strictly as per IS 1239 (Part II) 1982 with all amendments complete as per specifications and as per the direction of Engineer in charge of the work	No	3	156.00	Rupees One Hundred Fifty Six Only
13	Providing and laying at site of work MS casing caps as per IS 1239 (part II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part II) 1982 with all amendments including cost of material and latest charges for fixing, if any etc complete with all lead and lifts and as directed by the Engineer in charge complete as per specifications and as per the direction of Engineer in charge of the work.	No	3	104.00	Rupees One Hundred Four Only
14	Supplying and delivery of Submersible Pump Sets of 150mm dia suitable for bore well and conforming to IS 8034 specifications and its latest amendments 3 Phase, SS Bowl and impeller with low volt motor with testing as per instructions of Engineer incharge of work complete as per specifications and as per the direction of Engineer-in-charge of the work.(15 HP, 35 STG)	No	3	70433.00	Rupees Seventy Thousand Four Hundred Thirty Three Only

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15	Supplying, lowering, jointing, testing and commissioning of GI pipes conforming to IS 1239 Part-I with latest amendments including fixing collars, Bends, Tees, Sockets, Reducers and other Fittings, including Cost of Nipples with Cuts and Threads wherever necessary including removing the materials & workmen including testing for water tightness with all incl and lifts etc complete (Contractor shall make his own arrangements for procuring water for testing) Class-C (Heavy) 50mm Dia complete as per specifications and as per the direction of Engineer in-charge of the work	Rmt	40	[illegible]	Rupees Four hundred Eighty Only
16	Supply and fixing 50mm dia GI socket (heavy duty) etc complete as per specifications and as per the direction of Engineer-in-charge of the work	Nos	6	[illegible]	Rupees [illegible] hundred Eighty Seven and Twenty Paise Only
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper wire low resistance conductor confirming to IS 8130 1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS 694 1990 3C X 6.0Sq.mm complete as per specifications and as per the direction of Engineer in-charge of the work	Meter	1850	244.50	Rupees Two hundred Forty Six and Fifty Paise Only
18	Supply and delivery at site of brand new best make non return valve as per IS 778 : 1984 With ISI Mark and as per its latest amendments 50mm Dia complete as per specifications and as per the direction of Engineer-in-charge of the work	No	3	1222.00	Rupees One Thousand Two Hundred Twenty Two Only
19	Supplying and delivery at site brand new star/Essen/Lotus/Sun-Shine/Adarsh/ G.K Controls Best Indigenous make combined energy meter-cum-control panel board unit minimum mechanically strong suitable for operation on 3HP 50HZ 380/440 Volts AC supply with spring loaded latch locking Device with a key Ribbs should be provided. control panel board unit suitable for operation on 3HP 50HZ 380/440 Volts AC shall be consists Etc. complete the panel board shall be fabricated in single unit to the above components panel board suitable pump set 10HP to 20HP with star delta starter out door panel board up to 20HP, complete as per specifications and as per the direction of Engineer-in-charge of the work	No	3	21840.00	Rupees Twenty One Thousand Eight Hundred Forty Only

G. S. Giriya
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20	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, tear well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges, tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work complete as per specifications and as per the direction of Engineer in charge of the work	Job	3	5670.00	Rupees Five Thousand Six Hundred Seventy Six Only
21	Labour charges for erection of outdoor type panel board and meter board units with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work complete as per specifications and as per the direction of Engineer in charge of the work	Job	3	1245.92	Rupees One Thousand Two Hundred Forty Five and Ninety Two Paise Only
22	Supplying of TPST with rewirable porcelain channels in SM enclosure 32 amps complete as per specifications and as per the direction of Engineer in charge of the work	No	3	1872.00	Rupees One Thousand Eight Hundred Seventy Two Only
23	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs crews 20'x20'x2.5'complete as per specifications and as per the direction of Engineer in charge of the work	No	3	303.68	Rupees Three Hundred Three and Sixty Eight Paise Only
24	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440v A.C. 50 Hz 12/24v D.Complete as per specification, with testing of as per instructions complete as per specifications and as per the direction of Engineer in charge of the work	No	3	447.20	Rupees Four Hundred Forty Seven and Twenty Paise Only
25	Supplying, fixing and wiring heavy duty low voltage capacitors conforming to IS 2834, 3 phase, 400/440 volts grade, for power factor improvement of rotating machineries like induction motor 2KVAR complete as per specifications and as per the direction of Engineer-in-charge of the work	KVAR	3	416.00	Rupees Four Hundred Sixteen Only
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross 3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898, 6 to 32amps complete as per specifications and as per the direction of Engineer in charge of the work	No	3	1783.60	Rupees One Thousand Seven Hundred Eighty Three and Sixty Paise Only

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27	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment s on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	3	3119.69	Rupees Three Thousand One Hundred Nineteen and Sixty Nine Paise Only
28	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmt	9	348.40	Rupees Three Hundred Forty Eight and Forty Paise Only
29	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 complete as per specifications and as per the direction of Engineer-in-charge of the work.	No	150	156.00	Rupees One Hundred Fifty Six Only
30	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) cutting road surface in hard soil complete as per specifications and as per the direction of Engineer-in-charge of the work.	Rmtr	150	106.08	Rupees One Hundred Six and Eight Paise Only
31	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required 6 sqmm to 16 sqmm complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	135	19.01	Rupees Nineteen and One Paise Only
32	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	9	280.80	Rupees Two Hundred Eighty and Eighty Paise Only
33	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	9	180.96	Rupees One Hundred Eighty and Ninety Six Paise Only

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34	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification (RDWS SR 2015 20Pg No 08.1 No.2.26)Cutting Asphalt Road Surface complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	8.1	56.568	In Rupees Hundred Three Eight Paise Only
35	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification Cutting in cement concrete road Surface complete as per specifications and as per the direction of Engineer in charge of the work	Cum	4.05	1150.24	Rupees One Thousand One Hundred Fifty Twenty Four Paise Only
36	Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs and depth up to 2.00 mtrs. Including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 mtrs Wherever necessary as directed in the following strata. (Manual Means) in ordinary soil complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	160.65	272.48	Rupees Two Hundred Seventy Two and Forty Eight Paise Only
37	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete as per specifications and as per the direction of Engineer-in-charge of the work	Rmt	714	161.20	Rupees One Hundred Sixty One and Twenty Paise Only
38	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth with all lead & lifts. (Compacting with vibro roller) complete as per specifications and as per the direction of Engineer-in-charge of the work	Cum	160.65	107.12	Rupees One Hundred Seven and Twelve Paise Only
39	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments a) 50mm dia complete as per specifications and as per the direction of Engineer-in-charge of the work	Each	20	1237.60	Rupees One Thousand Two Hundred Thirty Seven and Sixty Paise Only

Signature of the Contractor

Executive Engineer,
Dasarahalli Division,

C.S. Srinivasa
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